

Attachment 5: Price Proposal

RFP 1F-22

Proposal for the Manufacturing, Furnishing, and Delivery of 40ft Low Floor Battery Electric Buses and associated Options in accordance with Technical Specification VE21-054.

Bidder Legal Name:	
Doing Business As Name, if different:	
Street:	
City, State, Zip:	
Telephone:	

The undersigned proposes to furnish equipment, materials, and services in accordance with the Contract Documents for RFP #1F-22 to which this Proposal Form is attached, at the following prices, subject to the terms and conditions of the Contract Documents.

The price offered for each item is the full price, including delivery charges and all taxes, direct and indirect, and includes all premium on bonds, labor, and materials costs, patent royalties, and all other overhead charges of every kind and nature.

Proposer shall show all prices in English words and numerals expressed in United States of America dollars. In the case of a discrepancy between the price offered in words and the price offered in numerals, the price offered in words shall govern. These prices shall be the total price, delivered in accordance with the RFP documents and Technical Specifications.

The undersigned further declares that they have carefully examined the Contract Documents including the Contract Provisions and Technical Specification VE21-054; Addenda; RFP #1F-22 including all response forms and attachments, and that they have familiarized themselves with all of the conditions affecting the Contract and understand that in making this bid they waive all right to plead any misunderstanding regarding the same.

The undersigned further understands and agrees that if this Proposal is accepted they are to furnish all of the materials specified, in the manner and at the time prescribed, and in accordance with the requirements set forth in the Contract.

Authorized Representative Name:	
Authorized Representative Signature:	
Title:	
Date:	

Clarifications:

- Basis of Award is the sum of all items listed below.
- Regarding Optional Work scope (items 3a - 3n):
 - The Authority shall make a determination which, if any, of the Options will be executed.
 - The Contract reserves the right to exercise Options within five (5) years from Notice to Proceed.
 - Options 3b, 3c, 3d, 3e, 3f, 3g, 3h, and 3i if executed, will be incorporated to the entire fleet of buses (base and any quantity of option vehicles executed).
 - Options 3e is NOT included in the basis of award and is the last row after the Total
- Regarding Capital Spares Work scope (items 4a - 4ae):
 - Selection and quantity of Capital Spares is to be made at sole discretion of the Authority based upon available budget and needs.
 - The Authority reserves the right to purchase spare parts either as a total package or on an individual item basis and/or to adjust the quantities purchased
 - The price paid by the Authority for a Capital Spare part will, in no event, exceed the published parts price
 - Payments for Capital Spares equipment shall be made upon delivery to the Authority.
 - If additional Capital Spares are identified, attach additional pages to indicate these.
- Regarding Training Aid Work scope (items 5a - 5l):
 - Training Aids are further described in VE21-054, Section 5.6.4
 - The Authority reserves the right to purchase Training Aids either as a total package or on an individual item basis and/or to adjust the quantities purchased
 - Payments for Training Aids shall be made upon delivery to the Authority.
- Regarding Training Work scope (item 6):
 - Training shall consist of all phases and subjects, as stated in VE21-054, Section 5.6
- Regarding Special Tools and Test Equipment (item 7 and 8):
 - Special tool and test requirements per VE21-054 Attachment 5, and TS VE21-054 Section 5.6.3, 8.3, 8.5, 10.1, 75.2
 - The Bidder shall include a list of all tools and test equipment in their proposal

Instructions: Enter requested information in all yellow highlighted cells. Pricing is Per Unit based on the quantities in column B.

Item	Quantity	Description	Delivered Unit Price in Words	Delivered Unit Price (Numbers)	Total
1	45	Manufacturing, furnishing, and delivery of Forty-Foot Low Floor Battery Electric Buses (BEB) meeting range, performance, and delivery requirements of the MBTA in accordance with Contract Documents including RFP 1F-22 and Technical Specification VE21-054			\$ -

2	1	Manuals: Complete maintenance, operational, and parts manuals (as specified in Technical Specification VE21-054 Section 5.6)			\$ -
3a	415	OPTION 1 - Contractor to supply up to an additional Four Hundred Fifteen (415) Forty-Foot Low Floor BEBs (in accordance with Contract Documents including RFP 1F-22 and Technical Specification VE21-054)			\$ -
3b	35	OPTION 2A - Thirty-five (35) BEBs configured for street side boarding (in accordance with Contract Documents including RFP 1F-22 and Technical Specification VE21-054)			\$ -
3c	65	OPTION 2B - Contractor to supply up to an additional Sixty-five (65) Forty-Foot Low Floor BEBs with Streetside Boarding. Option 2B will only be exercised if 2A has been exercised. (in accordance with Contract Documents including RFP 1F-22 and Technical Specification VE21-054)			\$ -
3d	460	OPTION 3 - Provision by the Contractor of an Energy Storage System (ESS) Extended Warranty on an Authority defined quantity of buses (as specified in RFP 1F-22 Section 9.3 and Technical Specification VE21-054 Section TS81.3)			\$ -
3f	460	OPTION 5 - Provision by the Contractor for Q'Straint Quantum Wheelchair Restraint Systems on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.5 and TS Attachment 4 Section E)			\$ -
3g	460	OPTION 6 - Provision by the Contractor for a License Plate Recognition System on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.6 and TS Attachment 8)			\$ -
3h	460	OPTION 7 - Provision by the Contractor of a Vinyl Exterior Color Scheme in lieu of painted exterior on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.7 and TS Attachment 1)			\$ -
3i	460	OPTION 8 - Provision by the Contractor of a Tire Pressure Monitoring System on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.8)			\$ -
3j	460	OPTION 9 - Provision by the Contractor of Passenger Compartment Antimicrobial Surface Treatment on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.9)			\$ -
3k	460	OPTION 10 - Provision by the Contractor for Mobileye Advanced Driver Assistance System on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.10 and TS Attachment 9)			\$ -
3l	460	OPTION 11 - Provision by the Contractor for Dual-sided LCD Passenger Information Screen on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.11 and TS Attachment 10)			\$ -
3m	460	OPTION 12 - Provision by the Contractor for a Geofencing System on an Authority defined quantity of buses(as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.12)			\$ -
3n	460	OPTION 13 - Provision by the Contractor for a HVAC System with Heat Pump on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.13)			\$ -
4a	4	CAPITAL SPARE: Primary Propulsion Unit Primary Propulsion Unit assembly as removable from the bus including cradle and mounts. Shall also include all connecting low and high voltage harnesses and communications cables. PPU shall be shipped in a “ready to install” complete package.			\$ -

4b	4	CAPITAL SPARE: Low Voltage Electrical Includes low voltage Battery Management System including equalizers, DC to DC converters, cables, and sensors; low voltage battery tray including holdowns and cables, master disconnect switch, battery disconnect switch			\$ -
4c	4	CAPITAL SPARE: High Voltage Electrical Includes complete high voltage Battery Management System, spare IGBT, sensors; HV cables (bundled complete bus kit), ESS disconnect switches, ESS container(s), bus side receptacles			\$ -
4d	4	CAPITAL SPARE: Chassis Mechanical (Bus Set) Includes power steering motor and pump, air compressor assembly including motor and compressor, heater water pump, power steering box, heater core, evaporator core, condenser core, door control valves, height control valves with kneeler, windshield wiper right side, left side, diesel fuel filler, front wheel hubs, rear wheel hubs, front brake chamber, rear brake chamber, air dryer assembly, and defroster assembly.			\$ -
4e	4	CAPITAL SPARE: Chassis Electrical (Bus Set) Includes heater blower motors, condenser blower motors, evaporator blower motors, defroster blower motors, floor heater assemblies, HVAC control box, front door motors, rear door motors, complete public address system, auxiliary operator fan, artificial sound generator.			\$ -
4f	4	CAPITAL SPARE: Wheelchair/Mobility Aid Ramp Assembly			\$ -
4g	3	CAPITAL SPARE: Passenger Interior Appointments (Bus Set) Includes passenger folding seat assembly, passenger seating (all configurations), and roof hatches.			\$ -
4h	4	CAPITAL SPARE: Exterior Appointments (Bus Set) Includes front bumper assembly, propulsion systems ('engine') closure door assembly, front door assembly, rear door assembly, windshield street and curbside street and curbside passenger window assembly, driver's window assemblies, destination sign glass, and include any doors not listed (based on design).			\$ -
4i	3	CAPITAL SPARE: Driver Interior Appointments (Bus Set) Includes operator's seat assembly, steering column assembly and steering wheel, dashboard panels, side control panels, drivers area lighting, and pedals.			\$ -
4j	5	CAPITAL SPARE: Body Paneling (Bus Set) Street and Curbside complete set			\$ -
4k	1	CAPITAL SPARE: Interior Lighting (Bus Set) Complete System			\$ -
4l	4	CAPITAL SPARE: Dual Mode Auxiliar Heater , including external pump, modules, tubes, hoses, connector valves			\$ -
4m	4	CAPITAL SPARE: Fire Detection (Bus Set) Harnesses, bottle, sensors, modules, and nozzles			\$ -
4n	4	CAPITAL SPARE: ABS (Bus Set) Modules, sensors, harnesses, and valves			\$ -
4o	5	CAPITAL SPARE: ESS Thermal Management System including all coolant tanks/reservoirs, heat exchangers, fan assemblies and controllers, harness and cables, temperature sensors			\$ -
4p	4	CAPITAL SPARE: Exterior Lighting Kit (Bus Set) Including headlamp assemblies, tail light assemblies, clearance lights, and all other exterior LED lighting			\$ -
4q	4	CAPITAL SPARE: Rear Axle Carrier Assembly			\$ -
4r	4	CAPITAL SPARE: Rear Axle Assembly			\$ -
4s	4	CAPITAL SPARE: Destination Signs (Bus Set) Included P/C card, control board, wiring, and displays			\$ -
4t	4	CAPITAL SPARE: Multi-Plex (Bus Set) Modules/PLC Processors, Harnesses			\$ -
4u	4	CAPITAL SPARE: Front Axle Assembly			\$ -
4v	1	CAPITAL SPARE: Security Camera System (Bus Set) Re: TS Attachment 3 Section 2.27 (A) NOTE: 1 set equals the items and quantities of items identified in Section 2.27 (A)			\$ -
4w	2	CAPITAL SPARE: Bicycle Rack Re: TS 78			\$ -
4x	2	CAPITAL SPARE: Trapeze System (Bus Set) complete system			\$ -

4y	2	CAPITAL SPARE: Samsara Equipment (Bus Set)			\$ -
4z	20	CAPITAL SPARE: Energy Storage System (Bus Set) Note: This item may be purchased at the Authority's discretion at any time during the five (5) year period following Notice to Proceed at no escalation in price			\$ -
4aa	3	CAPITAL SPARE: Geofencing System (Bus Set)			\$ -
4ab	6	CAPITAL SPARE: Roof shrouding and brackets			\$ -
4ac	4	CAPITAL SPARE: Glass kit, full bus - windshield street and curbside street and curbside passenger window assembly, driver's window assemblies, front passenger door assembly, rear passenger door assembly			\$ -
4ad	5	CAPITAL SPARE: Spare Farebox Platform Retrofit Kit - spare (not to be confused with the required amount in TS 22.3. Spare kits shall meet the requirements of Technical Specification TS 22.3			\$ -
4ae	2	CAPITAL SPARE: Auxiliary Heater Fuel System: including fuel tank and all lines and hoses			\$ -
5a	1	TRAINING AID: Propulsion System Module - Drive Unit/Traction Motor - ESS - ESS Thermal Management System - High Voltage BMS			\$ -
5b	1	TRAINING AID: Electrical System			\$ -
5c	1	TRAINING AID: Compressed Air System - Anti-Lock Brake System			\$ -
5d	1	TRAINING AID: Front & Rear Axle Assemblies - Front & Rear Brake Assemblies			\$ -
5e	1	TRAINING AID: HVAC System			\$ -
5f	1	TRAINING AID: Door System			\$ -
5g	1	TRAINING AID: Destination Signage System			\$ -
5h	1	TRAINING AID: Fire Suppression System			\$ -
5i	1	TRAINING AID: Wheelchair/Mobility Aid Ramp			\$ -
5j	1	TRAINING AID: PA System			\$ -
5k	1	TRAINING AID: Auxiliary Heater			\$ -
5l	1	TRAINING AID: Smart Bus/ITS Systems - Computers and Software - Trapeze - Geofencing - Samsara			\$ -
6	1	COMPLETE TRAINING PROGRAM - Training program as described in VE21-054, Section 5.6			\$ -
7	10	TECHNICAL SPECIFICATION SPECIAL TOOLS - Special Tool sets as described in VE21-054 Attachment 5, Section A			\$ -
8	10	TECHNICAL SPECIFICATION TEST EQUIPMENT - Test Equipment sets as described in VE21-054 Attachment 5, Section B			\$ -
TOTAL					\$ -
3e	460	OPTION 4 (NOT PART OF BASIS OF AWARD) - Provision by the Contractor of an Energy Storage System (ESS) Lease on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.4)			\$ -